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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/799,047	03/11/2004	Richard David Taylor	10031197-1	6727	
57299 7590 02/05/2007 AVAGO TECHNOLOGIES, LTD.			EXAM	EXAMINER	
P.O. BOX 1920	·		PATEL, HETUL B		
DENVER, CO 80201-1920			ART UNIT	PAPER NUMBER	
			2186		
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS		02/05/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
	10/799,047	TAYLOR, RICHARD DAVID				
Office Action Summary	Examiner	Art Unit				
	Hetul Patel	2186				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>03</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
	1) Responsive to communication(s) filed on <u>08 January 2007</u> .					
2a) ☐ This action is <b>FINAL</b> . 2b) ☒ This	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)  Claim(s) 1-13 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6)  Claim(s) 1-4 is/are rejected.  7)  Claim(s) 5-13 is/are objected to.  8)  Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiner	epted or b) objected to by the Idrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some colon None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)	ate				
3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date 01/08/2007.  5) Notice of Informal Patent Application 6) Other:						

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#### **DETAILED ACTION**

1. This Office Action is in response to the communication filed on January 08, 2007. Claims 1-4, 6, 9 and 13 are amended and none of the claims are cancelled or newly added. Therefore, claims 1-13 are pending in this application.

2. Applicant's arguments, filed on January 08, 2007, with respect to the rejection(s) of claim(s) 1-3 under 35 U.S.C. 102(b) as being anticipated by Arnold et al. (USPN: 3,787,818) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Chen et al. (USPN: 4,901,230).

#### Information Disclosure Statement

3. The information disclosure statement (IDS) submitted on January 08, 2007 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner.

### Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claim 4 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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Claim 4 recites the limitation "each configuration register" in line 2. There is insufficient antecedent basis for this limitation in the claim.

### Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Chen et al. (USPN: 4,901,230) hereinafter, Chen.

As per claim 1, Chen teaches a system comprising

- shared system registers (i.e. the shared registers, 200 in Fig. 2), each register including one or more bits defining an access protocol (i.e. the scalar and address information), and one or more bits representing data; and
- N processors (i.e. CPU 0 and CPU 1 in Fig. 2), N≥2, where n is an integer (i.e. n is 2 in Fig. 2), each accessing the registers (i.e. CPU 0 accessing shared registers via 143 and 140; and CPU 1 accessing shared registers via 144 and 140 as shown in Fig. 2) (e.g. see the abstract and Fig. 2).

As per claims 2 and 3, Chen teaches the claimed invention as described above and furthermore, Chen teaches that a single job may be run on multiple processors communicating through the shared registers and each processor handling certain tasks concurrently with the other (e.g. see Col. 22, lines 59+), therefore, each of the shared

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registers has to keep track of access type for each processor in order to avoid the data corruption. In other words, having one or more bits, in the access protocol, that define a register access type for each N processors, wherein the access type being selected from a group that includes READ, READ/CLEAR, READ/SET, and READ/WRITE, is inherently embedded in the system taught by the Chen prior art.

## Allowable Subject Matter

- 6. Claims 5-13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claim 4 needs
- 7. Claim 4 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

#### Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hetul Patel whose telephone number is 571-272-4184. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Kim can be reached on 571-272-4182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

H.B. Patel 02/01/2007 Hetul Patel Patent Examiner Art Unit 2186